

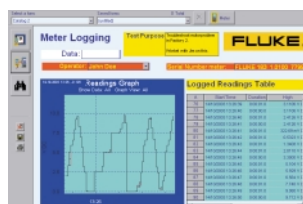
# 787/789 ProcessMeters



Fluke 787



Fluke 789



## Included Accessories

**787:** Yellow Holster (H80M excl. TPAK), TL75 Hard Point Test Lead Set plus AC72 Alligator Clips, one 9V battery, user manual  
**789:** TL71 Test Lead Set plus AC72 Alligator Clips, four 9V AA alkaline batteries, user manual and quick reference guide.

## Ordering Information

Fluke 787 ProcessMeter  
 Fluke 789 ProcessMeter  
 FVF-SC2 FlukeView Forms Software including interface cable

## Double your power

The Fluke 787 and 789 ProcessMeters combine a Digital Multimeter and a Loop Calibrator in one rugged handheld tool, giving process technicians double the power.

The Fluke 789 has a built-in 24 V loop supply which reduces the need for taking a separate power supply when doing offline transmitter testing. The IR communication

port of the Fluke 789 allows data to be logged to optional FlukeView Software for graphical analysis and reporting.

## Features

	787	789
DMM and Loop Calibrator in one tool	●	●
Precision 1000 V, 440 mA True RMS Digital Multimeter	●	●
DC current source and Loop Calibrator	●	●
24 V Loop power supply		●
Min/Max / Average / Hold / Relative Modes	●	●
Diode Test and Continuity Beeper	●	●
Manual Step (100%, 25%, Coarse, Fine) plus Auto Step and Auto Ramp	●	●
Simultaneous mA and % of scale read-out	●	●
Externally accessible battery / fuses	●/-	●/●
HART mode setting with loop power and a built-in 250 Ω resistor		●
0% and 100% buttons to toggle between 4 and 20 mA sourcing for a quick span check		●
Infrared I/O serial port		●

## Specifications

	787	789
<b>Voltage measurements</b>		
Range	0-1000 V AC or DC	0-1000 V AC or DC
Resolution	0.1 mV to 1.0 V	0.1 mV to 1.0 V
Accuracy	0.1% Rdg+1 LSD (V DC)	0.1% Rdg+1 LSD (V DC)
<b>Current measurement</b>		
Range	0-1 A 0-30 mA	0-1 A 0-30 mA
Resolution	1 mA 0.001 mA	1 mA 0.001 mA
Accuracy	0.2%+2 LSD 0.05%+2 LSD	0.2%+2 LSD 0.05%+2 LSD
<b>Current Sourcing</b>		
Range	0-20 mA or 4-24 mA	0-20 mA or 4-24 mA
Accuracy	0.05% of span	0.05% of span
<b>Other specifications</b>		
Max drive capability	500 Ω	1200 Ω
Loop power	N/A	24 V
Resistance measurement	To 40 MΩ, 0.2%+1 LSD	To 40 MΩ, 0.2%+1 LSD
Frequency	To 19.999 kHz, 0.005%+1 LSD	To 19.999 kHz, 0.005%+1 LSD
Continuity	Beeps for resistance < 100 Ω	Beeps for resistance < 100 Ω
Span Check	No	Yes

**Maximum voltage:** 1000 V  
**Non-operating temperature:** -40 to 60°C  
**Operating temperature:** -20 to 55°C  
**Shock:** one meter drop test  
**Vibration:** Random, 2 g, 5-500 Hz

**789**  
**Size (HxWxD):** 203 mm x 100 mm x 50 mm  
**Weight:** 0.6 kg  
**Battery:** Four AA alkaline batteries  
**Battery life:** 14 to 140 hours typical  
**Warranty:** Three years

**787**  
**Size (HxWxD):** 201 mm x 98 mm x 52 mm  
**Weight:** 0.642 kg  
**Battery:** One 9 V alkaline  
**Battery life:** 12 to 50 hours typical  
**Warranty:** Three years

## Recommended Accessories



C125



TL220



80T-150U



i410